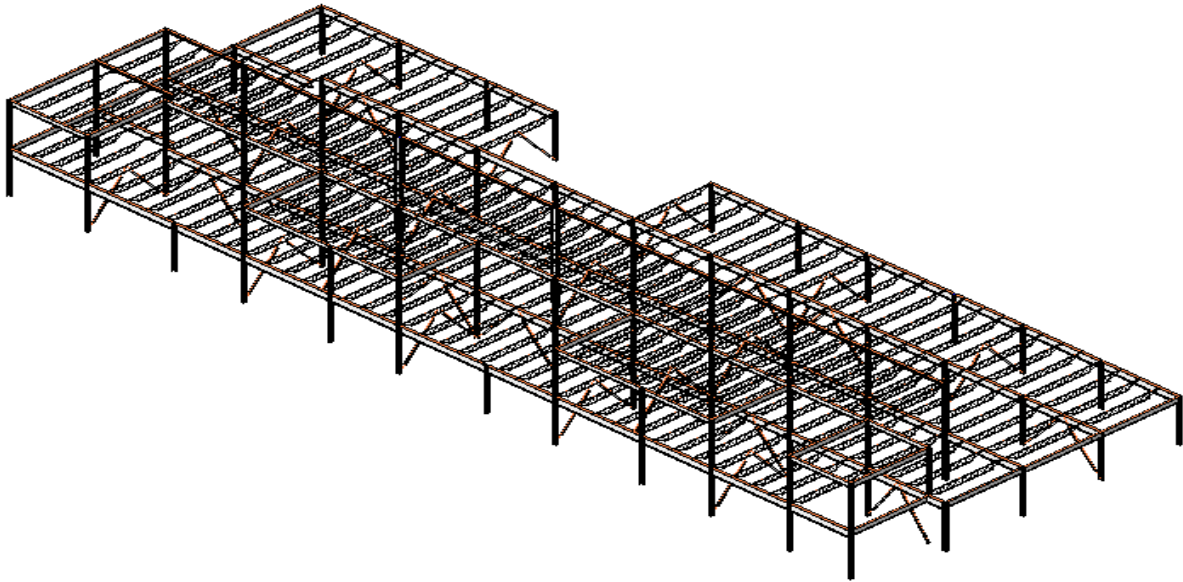


# Bracing in a 3D Structure



## Abstract:

This document will provide a step-by-step process to input cross bracing in a structural model.

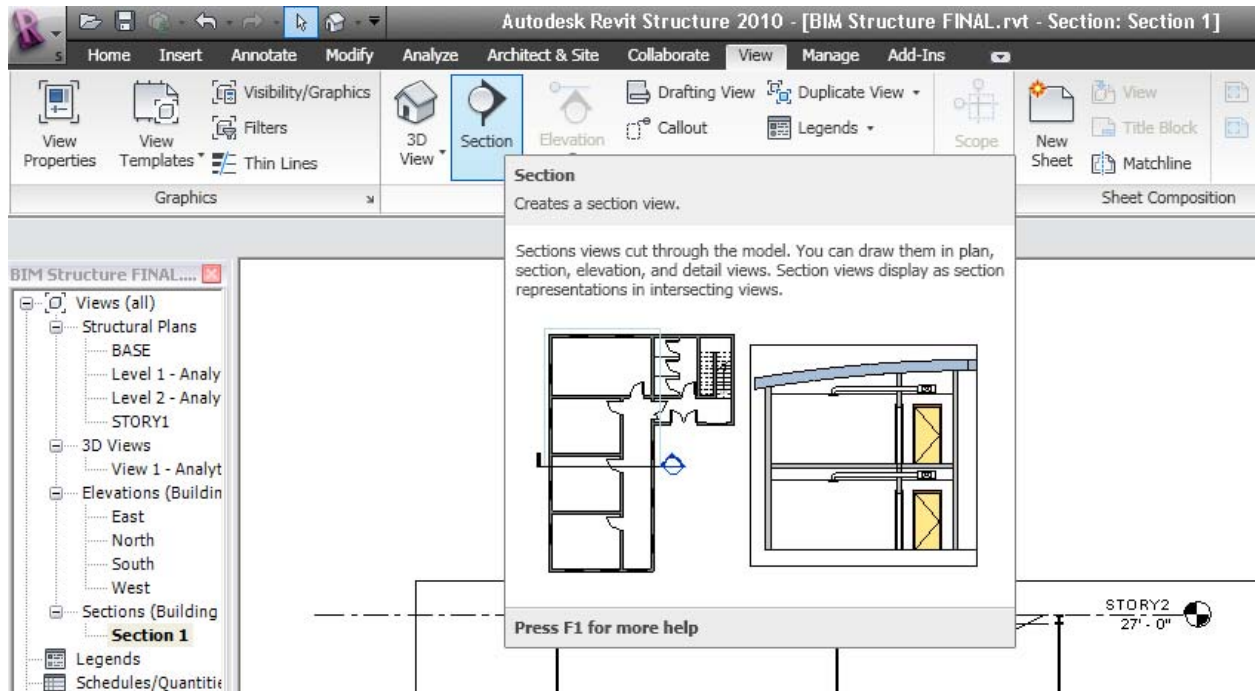
## Problem:

Bracing in a 3D structure on multiple gridlines

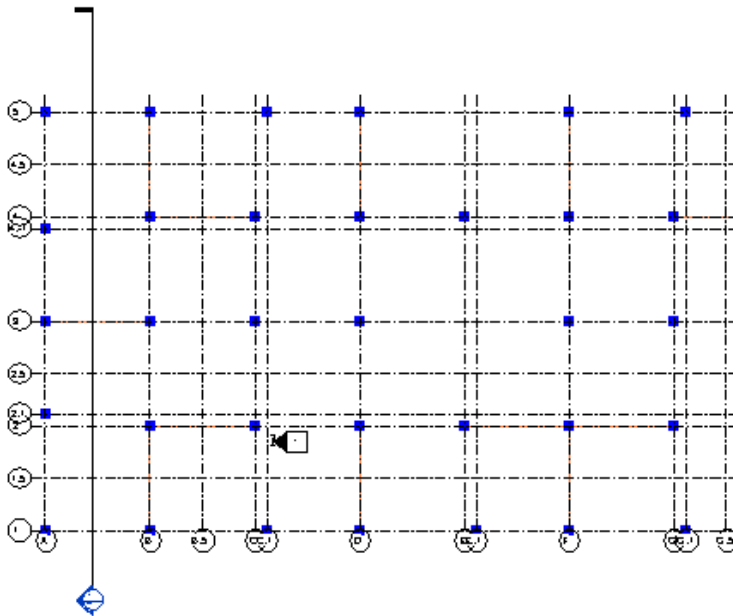
## Solution:

When putting bracing into a drawing, Revit Structure supplies an option to pick what gridlines to draw the bracing on. After selecting this grid the program assumes that it is only desired to put bracing on this gridline and therefore does not provide this option again. This option is presented once for each view. In order to create bracing in each bay desired create a section view for each gridline that that is desired to put bracing in. Put the sections there so that it can be checked afterward to verify that the bracing is where it should be. Note: Checking this in the 3D view is also helpful.

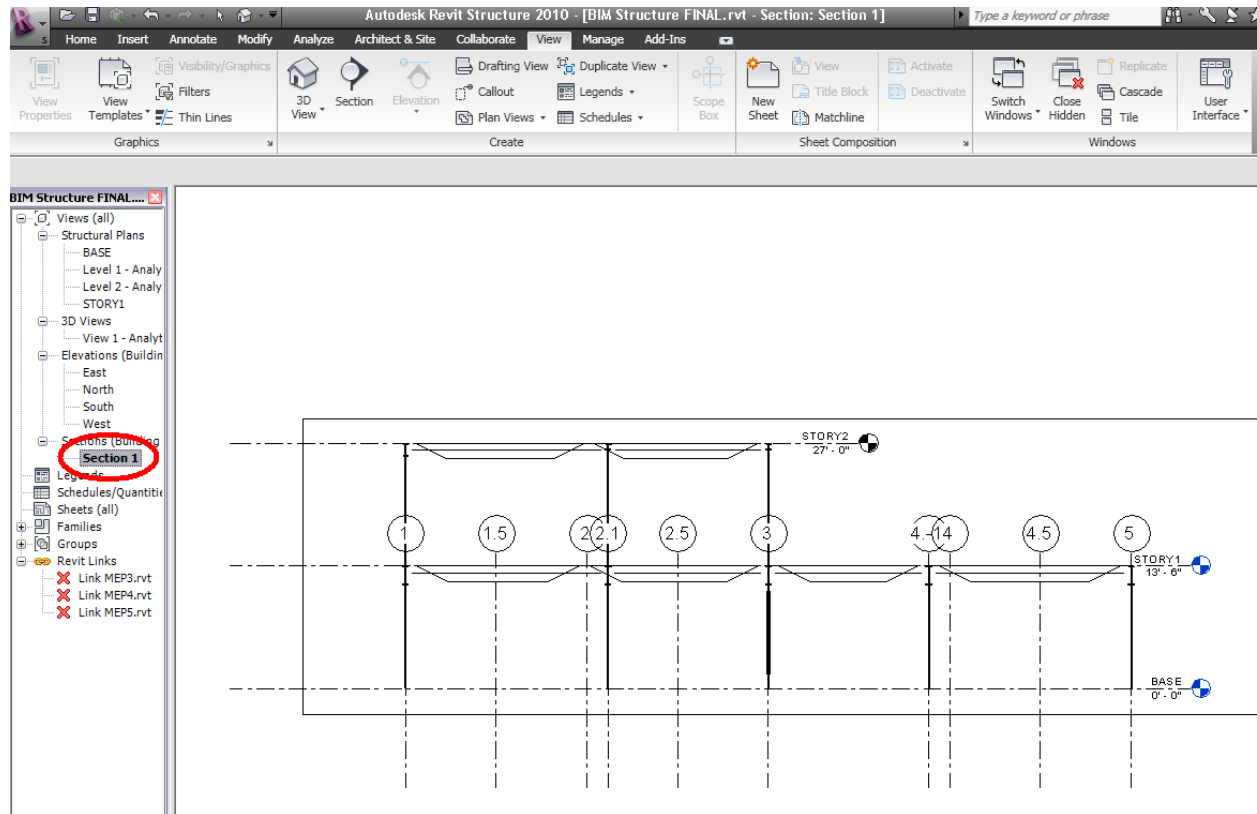
1. Make section cut by selecting “View” on the top toolbar.
  - a. Then select section.



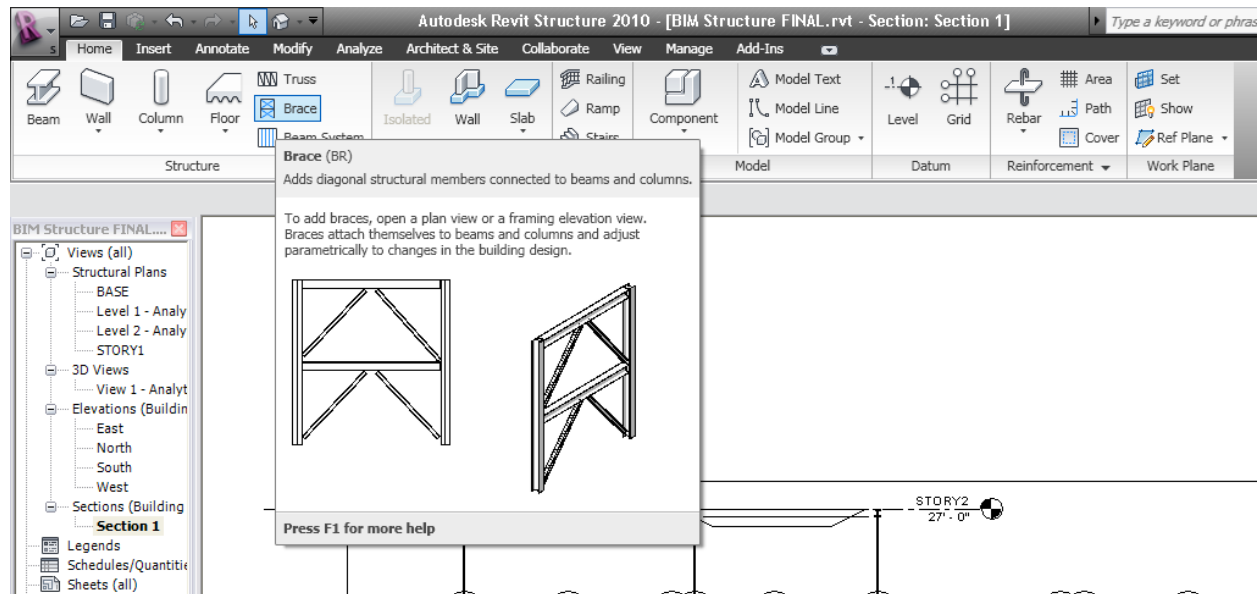
2. Draw section in the bay that needs bracing.



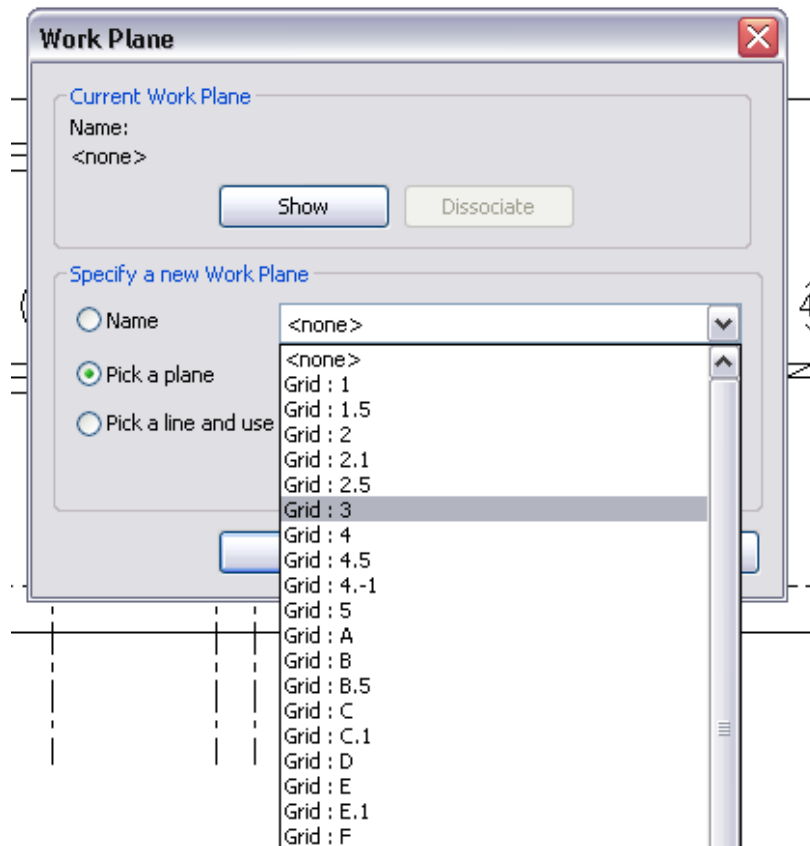
3. Click on section view that was just created.



4. Select "Bracing" under the "Home" tab.



5. Select the gridline that needs bracing.



6. Select the member that is being used to brace and begin bracing.
7. Continue this process until all bays that need lateral bracing are braced.